



0016
STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 15, 1983

Mr. Scott Raymond
Beaver Creek Coal Company
P.O. Box AU
Price, Utah 84501

RE: Southwest Lease
Exploration Project
Beaver Creek Coal Company
Gordon Creek No. 2 Mine
ACT/007/016, Folder No.2
Carbon County, Utah

Dear Mr. Raymond:

After reviewing the following two letters received by the Division on November 9 and November 10, 1983, the following comments and recommendations come to light.

On your November 9 and November 10 submittals, designs for gabions structures were shown. The general design is fine but the Division wants to see a slight modification of the structure. This modification is to incorporate a small catchment area in front of the gabion, properly riprapped. The second overall design consideration is to use silt fences in place of straw bales as shown in the design, if the straw bales do not provide proper filtration.

A general agreement was reached regarding these issues on the phone between Tom Munson and Scott Raymond on November 10, 1983 and Scott Raymond said he would make the proper changes to reflect the catchment basins and agree to using silt fences if the straw bales did not adequately do their job of filtering the sediment.

Other issues that were not discussed, but should be addressed regarding these gabion structures are:

1. The position of the gabion itself (vertical or horizontal) and the reasoning behind this placement.
2. The configuration of the berm associated with the gabion and its dimensions.
3. The inlets to these road culverts are not discussed and protection of these inlets must be addressed.

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The second major issue presented was the design change of replacing the drop structure diversion with a 36 inch culvert for the Left Fork of Bryner Canyon. The following information must be clarified before a design is incorporated into the plan:

1. What is the exit velocity having the culvert?
2. Does the riprap size chosen reflect this design parameter?
3. Is a thrust block needed at the junction of the two culverts to increase stability?
4. What is the slope of the 50 foot section of highwall culvert?

Please address all these issues adequately and incorporate this information into your plan as quickly as possible so a determination of completeness can be reached and a technical analysis completed.

Thank you for your cooperation in this matter, it is most important that we get these matters, as well as other hydrologic issues resolved as quickly as possible to meet the strict deadlines recently outlined.

Sincerely,



THOMAS MUNSON
RECLAMATION HYDROLOGIST

TM/re

cc: Steve Cox, DOGM
John Whitehead, DOGM